

1627

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/518,813

DATE: 03/02/2001  
TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt  
Output Set: N:\CRF3\03022001\I518813.raw

ENTERED

4 <110> APPLICANT: CARR, Francis Joseph  
5 CARTER, Graham  
6 HAMILTON, Anita Anne  
7 ADAIR, Fiona Suzanne  
8 WILLIAMS, Stephen  
10 <120> TITLE OF INVENTION: METHODS FOR PROTEIN SCREENING  
12 <130> FILE REFERENCE: 102286.412  
14 <140> CURRENT APPLICATION NUMBER: US 09/518,813  
15 <141> CURRENT FILING DATE: 2000-03-03  
17 <150> PRIOR APPLICATION NUMBER: PCT/GB98/02649  
18 <151> PRIOR FILING DATE: 1998-09-03  
20 <150> PRIOR APPLICATION NUMBER: US 60/070,063  
21 <151> PRIOR FILING DATE: 1997-12-30  
23 <150> PRIOR APPLICATION NUMBER: US 60/070,062  
24 <151> PRIOR FILING DATE: 1997-12-30  
26 <150> PRIOR APPLICATION NUMBER: US 60/070,037  
27 <151> PRIOR FILING DATE: 1997-12-30  
29 <150> PRIOR APPLICATION NUMBER: US 60/070,050  
30 <151> PRIOR FILING DATE: 1997-12-30  
32 <150> PRIOR APPLICATION NUMBER: GB 9718552.4  
33 <151> PRIOR FILING DATE: 1997-09-03  
35 <150> PRIOR APPLICATION NUMBER: GB 9719834.5  
36 <151> PRIOR FILING DATE: 1997-09-18  
38 <150> PRIOR APPLICATION NUMBER: GB 9720184.2  
39 <151> PRIOR FILING DATE: 1997-09-14  
41 <150> PRIOR APPLICATION NUMBER: GB 9720522.3  
42 <151> PRIOR FILING DATE: 1997-09-29  
44 <150> PRIOR APPLICATION NUMBER: GB 9720523.1  
45 <151> PRIOR FILING DATE: 1997-09-29  
47 <150> PRIOR APPLICATION NUMBER: GB 9801255.2  
48 <151> PRIOR FILING DATE: 1998-01-22  
50 <150> PRIOR APPLICATION NUMBER: GB 9803828.4  
51 <151> PRIOR FILING DATE: 1998-02-25  
53 <150> PRIOR APPLICATION NUMBER: GB 9720524.9  
54 <151> PRIOR FILING DATE: 1997-09-29  
56 <150> PRIOR APPLICATION NUMBER: GB 9807760.5  
57 <151> PRIOR FILING DATE: 1998-04-14  
59 <150> PRIOR APPLICATION NUMBER: GB 9811130.5  
60 <151> PRIOR FILING DATE: 1998-05-23  
62 <150> PRIOR APPLICATION NUMBER: GB 970525.6  
63 <151> PRIOR FILING DATE: 1997-09-29  
65 <160> NUMBER OF SEQ ID NOS: 60  
67 <170> SOFTWARE: PatentIn version 3.0  
69 <210> SEQ ID NO: 1  
70 <211> LENGTH: 13  
71 <212> TYPE: DNA  
72 <213> ORGANISM: Kozak translation initiation sequence consensus

TECH CENTER 1600/2900  
MAR 13 2001

RECEIVED

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/518,813

DATE: 03/02/2001  
TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt  
Output Set: N:\CRF3\03022001\I518813.raw

74 <400> SEQUENCE: 1	
75 gccgccacca tgg	13
79 <210> SEQ ID NO: 2	
80 <211> LENGTH: 66	
81 <212> TYPE: DNA	
82 <213> ORGANISM: linker sequence between HindIII and Eco RI sites	
84 <400> SEQUENCE: 2	
85 agcttggccc agccggccat ggcccaggc caactgcagg agctcgagat caaacgggcg	60
87 gccgcg	66
91 <210> SEQ ID NO: 3	
92 <211> LENGTH: 66	
93 <212> TYPE: DNA	
94 <213> ORGANISM: linker sequence between HindIII and Eco RI sites	
96 <400> SEQUENCE: 3	
97 aattcgcggc cgcccggttg atctcgagct cctgcagttg gacctgggcc atggccggct	60
99 gggcca	66
103 <210> SEQ ID NO: 4	
104 <211> LENGTH: 14	
105 <212> TYPE: PRT	
106 <213> ORGANISM: amino acid linker sequence	
108 <400> SEQUENCE: 4	
110 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Val Asp	
111 1 5 10	
114 <210> SEQ ID NO: 5	
115 <211> LENGTH: 28	
116 <212> TYPE: DNA	
117 <213> ORGANISM: primer sequence	
119 <400> SEQUENCE: 5	
120 cagctgcagg agtctggggg aggcttag	28
124 <210> SEQ ID NO: 6	
125 <211> LENGTH: 36	
126 <212> TYPE: DNA	
127 <213> ORGANISM: primer sequence	
129 <400> SEQUENCE: 6	
130 tcagtagacg gtgaccgagg ttcccttgacc ccagta	36
134 <210> SEQ ID NO: 7	
135 <211> LENGTH: 26	
136 <212> TYPE: DNA	
137 <213> ORGANISM: primer sequence	
139 <400> SEQUENCE: 7	
140 gtgacattga gtcacacacag ttcctt	26
144 <210> SEQ ID NO: 8	
145 <211> LENGTH: 28	
146 <212> TYPE: DNA	
147 <213> ORGANISM: primer sequence	
149 <400> SEQUENCE: 8	
150 cagccccgttt tatctcgagc ttgggtccg	28
154 <210> SEQ ID NO: 9	
155 <211> LENGTH: 47	

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/518,813

DATE: 03/02/2001  
TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt  
Output Set: N:\CRF3\03022001\I518813.raw

```

156 <212> TYPE: DNA
157 <213> ORGANISM: RD 5' HIS primer sequence
159 <400> SEQUENCE: 9
160 gcggatccatatgcaccatcatcaccatcaccagggtgca gctgcag 47
164 <210> SEQ ID NO: 10
165 <211> LENGTH: 30
166 <212> TYPE: DNA
167 <213> ORGANISM: synthetic oligonucleotide
169 <400> SEQUENCE: 10
170 agaatacagggtccaaatag aatccagggt 30
174 <210> SEQ ID NO: 11
175 <211> LENGTH: 50
176 <212> TYPE: DNA
177 <213> ORGANISM: synthetic oligonucleotide
179 <400> SEQUENCE: 11
180 ctacctataaaataggcgtagt atcacgaggc cctttcgtagt tcaataattc 50
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 54
186 <212> TYPE: DNA
187 <213> ORGANISM: synthetic oligonucleotide
189 <400> SEQUENCE: 12
190 agcgaattcccttgatttgcattttggacc ctgtattcta cctataaaaa tagg 54
193 <210> SEQ ID NO: 13
194 <211> LENGTH: 61
195 <212> TYPE: DNA
196 <213> ORGANISM: synthetic oligonucleotide
198 <400> SEQUENCE: 13
199 gggtttccctctagaatacag ggtccaaata gaatccaggtaaaggatatacatat 60
201 g 61
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 67
206 <212> TYPE: DNA
207 <213> ORGANISM: synthetic oligonucleotide
209 <400> SEQUENCE: 14
210 atatatatgt cgacgaaatt aatacgactc actataggga gaccacaacg gtttccctct 60
212 agaatac 67
215 <210> SEQ ID NO: 15
216 <211> LENGTH: 50
217 <212> TYPE: DNA
218 <213> ORGANISM: synthetic oligonucleotide
220 <400> SEQUENCE: 15
221 atatatatgt cgacgaaatt aatacgactc actataggga gaccacaacg 50
224 <210> SEQ ID NO: 16
225 <211> LENGTH: 33
226 <212> TYPE: DNA
227 <213> ORGANISM: forward primer sequence fdig1
229 <400> SEQUENCE: 16
230 ccgtatagat ctcaggtcaa actgcaggag tct 33
233 <210> SEQ ID NO: 17

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/518,813

DATE: 03/02/2001  
TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt  
Output Set: N:\CRF3\03022001\I518813.raw

234 <211> LENGTH: 66	
235 <212> TYPE: DNA	
236 <213> ORGANISM: reverse primer sequence rdig1	
238 <400> SEQUENCE: 17	
239 ccgtatagat ctcaggtcaa actgcaggag tctccgtatg gatccccgtt ttatttccaa	60
241 ctttgt	66
244 <210> SEQ ID NO: 18	
245 <211> LENGTH: 30	
246 <212> TYPE: DNA	
247 <213> ORGANISM: forward primer sequence fox1	
249 <400> SEQUENCE: 18	
250 ccgtatagat atgtcgat gacccaaact	30
253 <210> SEQ ID NO: 19	
254 <211> LENGTH: 33	
255 <212> TYPE: DNA	
256 <213> ORGANISM: reverse primer sequence rox1	
258 <400> SEQUENCE: 19	
259 ccgtatggat cctgaggaga cggtgactga ggt.	33
262 <210> SEQ ID NO: 20	
263 <211> LENGTH: 33	
264 <212> TYPE: DNA	
265 <213> ORGANISM: primer sequence m13f1	
267 <400> SEQUENCE: 20	
268 ccgtatagat ctggcttaa tgaggatcca ttc	33
271 <210> SEQ ID NO: 21	
272 <211> LENGTH: 33	
273 <212> TYPE: DNA	
274 <213> ORGANISM: primer sequence m13r1	
276 <400> SEQUENCE: 21	
277 ccgtatctcg agctgttagcg cggtttcatc ggc	33
280 <210> SEQ ID NO: 22	
281 <211> LENGTH: 33	
282 <212> TYPE: DNA	
283 <213> ORGANISM: primer sequence m13f2	
285 <400> SEQUENCE: 22	
286 ccgtatgtcg acggcttaa tgaggatcca ttc	33
289 <210> SEQ ID NO: 23	
290 <211> LENGTH: 33	
291 <212> TYPE: DNA	
292 <213> ORGANISM: primer sequence m13r2	
294 <400> SEQUENCE: 23	
295 ccgtattgtat cactgttagcg cggtttcatc ggc	33
298 <210> SEQ ID NO: 24	
299 <211> LENGTH: 90	
300 <212> TYPE: DNA	
301 <213> ORGANISM: primer sequence fdig2	
303 <400> SEQUENCE: 24	
304 ccgtatagat ctatggatg gagctgtatc atccctttct tggtagcaac agctacaggt	60
306 gtccactccc aggtcaact gcaggagtct	90

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/518,813

DATE: 03/02/2001  
TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt  
Output Set: N:\CRF3\03022001\I518813.raw

309 <210> SEQ ID NO: 25  
310 <211> LENGTH: 90  
311 <212> TYPE: DNA  
312 <213> ORGANISM: primer sequence fox2  
314 <400> SEQUENCE: 25  
315 ccgtatagat ctatggatg gagctgtatc atccctttct tggtagcaac agctacagg 60  
317 gtcactccg atgtcgat gacccaaact 90  
320 <210> SEQ ID NO: 26  
321 <211> LENGTH: 21  
322 <212> TYPE: DNA  
323 <213> ORGANISM: oligonucleotide TAR1  
325 <400> SEQUENCE: 26  
326 gatcagccag attttagcag c 21  
329 <210> SEQ ID NO: 27  
330 <211> LENGTH: 21  
331 <212> TYPE: DNA  
332 <213> ORGANISM: oligonucleotide TAR2  
334 <400> SEQUENCE: 27  
335 gatcgctgct caaatctggc t 21  
338 <210> SEQ ID NO: 28  
339 <211> LENGTH: 33  
340 <212> TYPE: DNA  
341 <213> ORGANISM: primer sequence il5f1  
343 <400> SEQUENCE: 28  
344 ccgtatagat ctgaaattcc cactagtgc ttg 33  
347 <210> SEQ ID NO: 29  
348 <211> LENGTH: 72  
349 <212> TYPE: DNA  
350 <213> ORGANISM: primer sequence il5r1  
352 <400> SEQUENCE: 29  
353 ccgtatggat ccgacgtcct caagtttga attattatcag tggatggat ggtgtatgact 60  
355 ttcttattatc ca 72  
358 <210> SEQ ID NO: 30  
359 <211> LENGTH: 39  
360 <212> TYPE: DNA  
361 <213> ORGANISM: primer sequence il5f2  
363 <400> SEQUENCE: 30  
364 ccgtatagat ctaagcttga aattccact agtgcattt 39  
367 <210> SEQ ID NO: 31  
368 <211> LENGTH: 33  
369 <212> TYPE: DNA  
370 <213> ORGANISM: primer sequence il5r2  
372 <400> SEQUENCE: 31  
373 ccgtatggat ccactttcta ttatccactc ggt 33  
376 <210> SEQ ID NO: 32  
377 <211> LENGTH: 27  
378 <212> TYPE: DNA  
379 <213> ORGANISM: biotinylated oligonucleotide  
381 <400> SEQUENCE: 32

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/518,813

DATE: 03/02/2001  
TIME: 13:18:11

Input Set : A:\102286-412.ST25.txt  
Output Set: N:\CRF3\03022001\I518813.raw